

Fig. 1

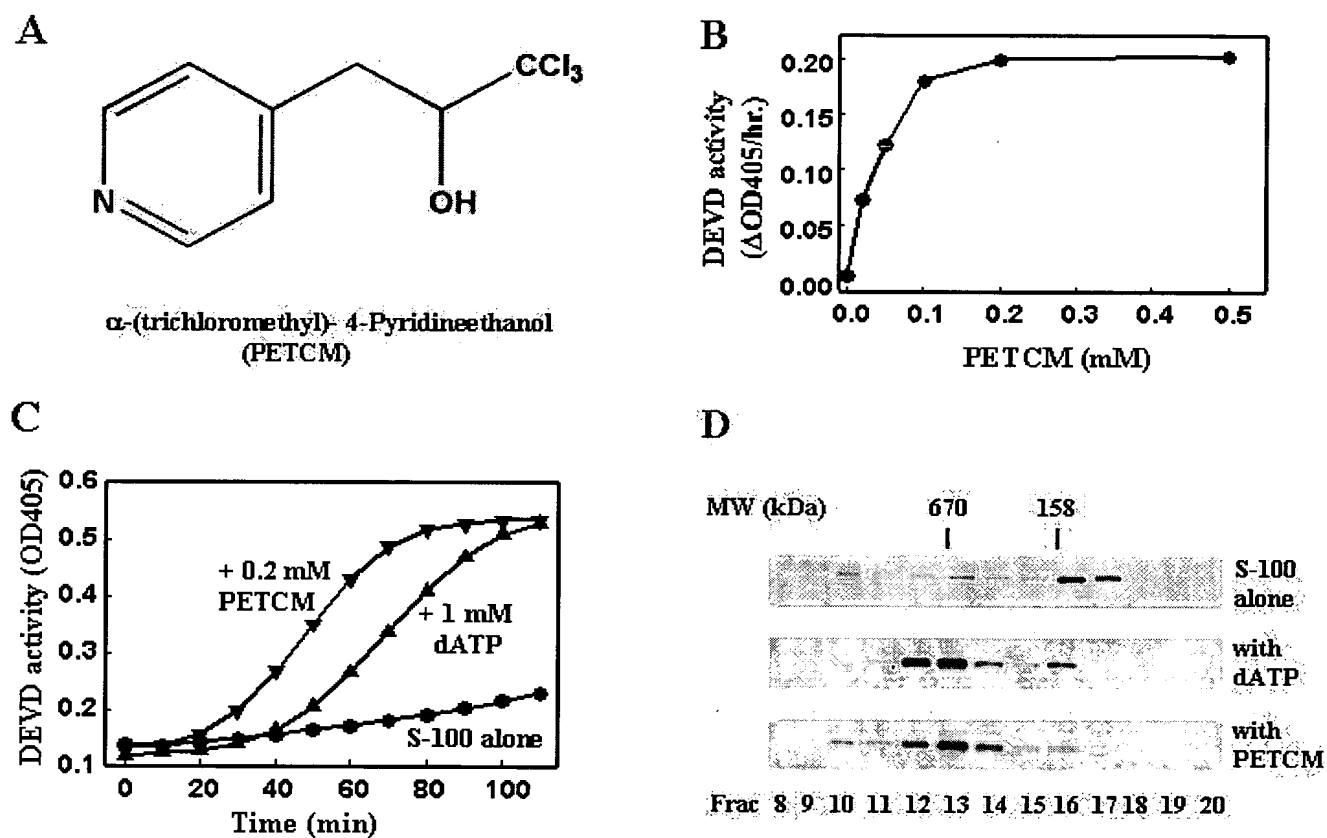
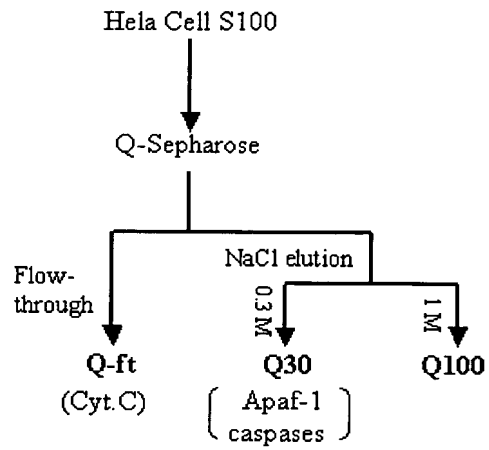


Fig. 2

A



B

PETCM	-	-	-	+	+	+	+	+
dATP ( $\mu$ M)	0	1000	10	0	10	10	10	10
QFT	+	+	+	+	+	-	+	+
Q30	+	+	+	+	+	+	-	+
Q100	+	+	+	+	+	+	+	-
Lane	1	2	3	4	5	6	7	8

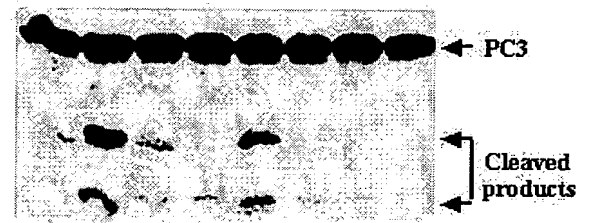
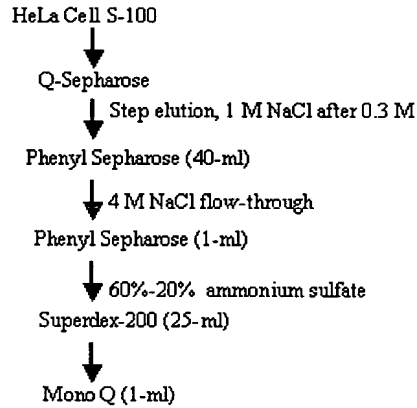


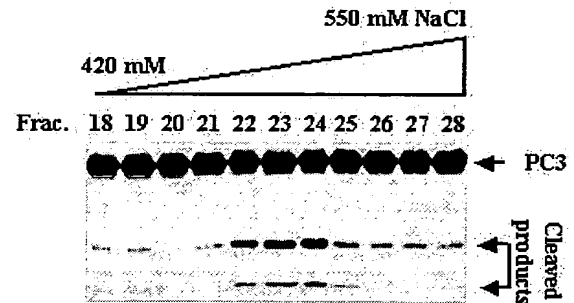
Fig. 3

5

A



B



D 50

PHAPI	1	MENRRRIHLELRNRTISDVKELVLDNRSNEGKLEGLTDEHPELEFLSINVGLTIANI
PHAPI2a	1	MDMKRRIHLELRNRTFAVRELVLNDKNSDGKIEGLTAEFVNLEFLSINVGLISVSNL
PHAPIII	1	MEMKKINLELRNRSPEVTELVLDNCLCVNGETEGINDPKLEFLSANVELSSLARI
PHAPI	61	PKLNKLLKLELSDNRVSGGLEVLAEKCPNLTHNLSCNKKIDLSTEPLKKLENLKSLDI
PHAPI2a	61	PKLPKLLKLELSENRIEGGLDNLAELPNLTHNLSCNKKIDSTEPLKKLELKSLDI
PHAPIII	61	PSLNKLRKLELSDNITISGGLEVLAEKCPNLVNLSCNKKIDLSTVSAIONLNKLSLDI
PHAPI	121	FNCEVTNLNDYRRVFPKLLPOLTYLDGYDRDDEAPDSDAFGYVEGLDDEEDELFEFY
PHAPI2a	121	FNCEVTNLNDYRESVFKLLPOLTYLDGYDREDEAPDSDAF--VPCVDEEEDDECEDEE
PHAPIII	121	FNCEITNLFDYRESTIFELLQOTTLYLDGFDQEDNEAPDSDEEDDEDCSDDEEEENBAGP
PHAPI	180	DEDAFYVE---DEEDDEDEDEGEEDVSGEEDDEFCYN-----DCSVODE---
PHAPI2a	179	DEDDDEGEEDDEEDDEDEVECEDDDVYSEEEEDGLD-----DEDEDED---
PHAPIII	181	DEGYDEDEEDDEEDDEDEDEDAGSELCEDEEVGLSYLMKEEIQDEEDDDVVEE
PHAPI	223	DEDEELGDEE--RQKKRKREDEDEGEDDI-
PHAPI2a	227	DEDEEE-EGGKGEKKRKREDEDEGEDI--
PHAPIII	239	DEDEEEDEGGKGEKKRKREDDGDEEDD

C

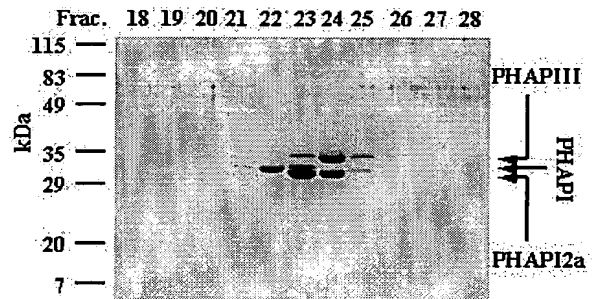


Fig. 4

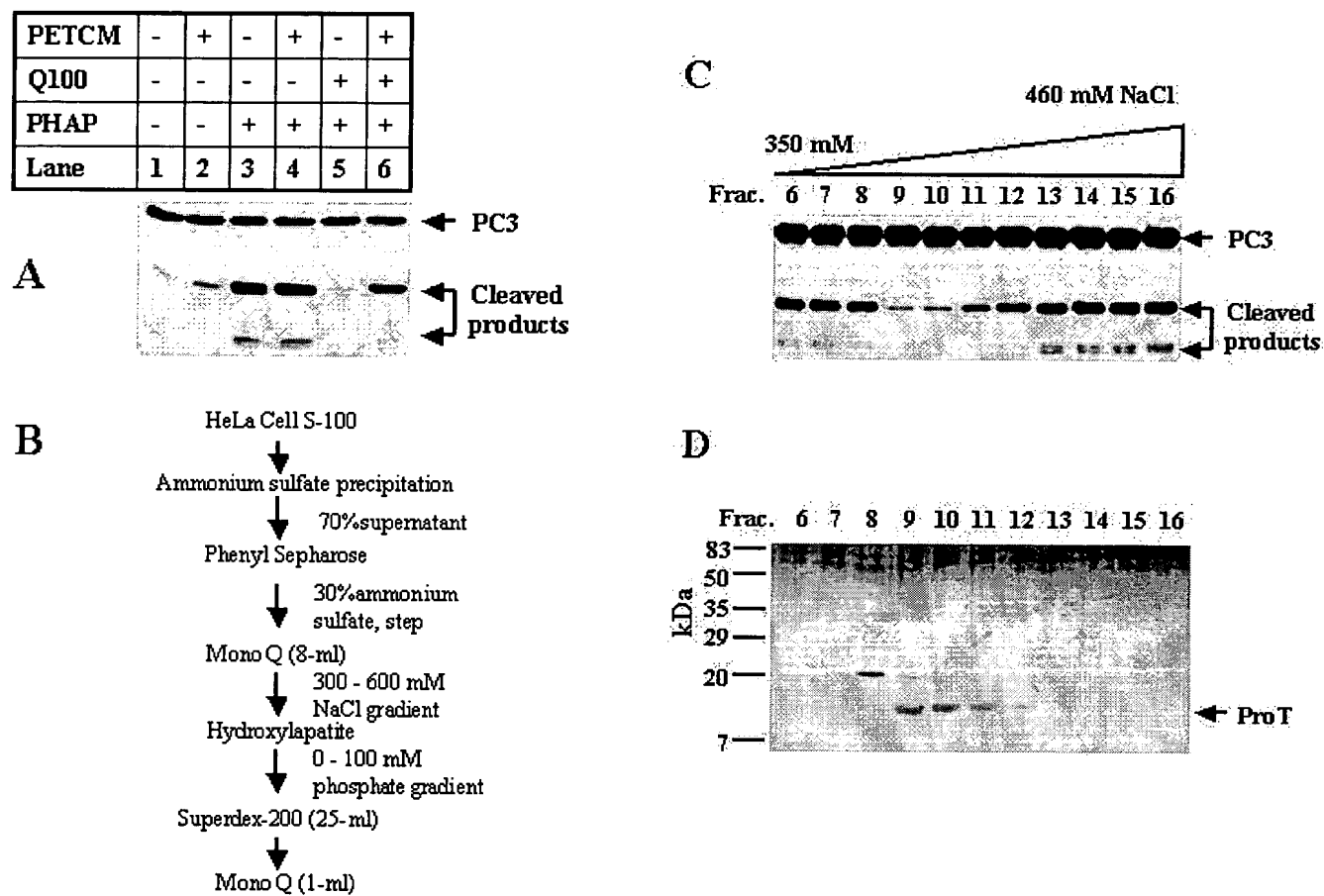


Fig. 5

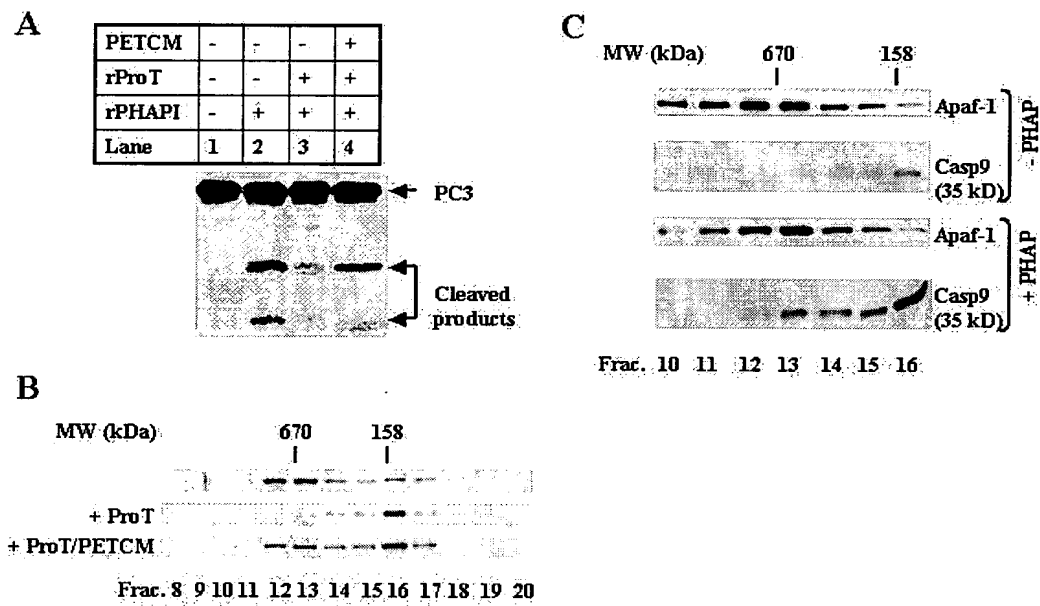


Fig. 6

